

MOA of Homi Bhabha National Institute

(Approved by DAE 26th July 2019)



HOMI BHABHA NATIONAL INSTITUTE

(A Deemed to be University u/s 3 of UGC Act, MHRD & an Aided Institution of the DAE, Govt. of India)

2nd Floor, Training School

Anushaktinagar, Mumbai – 400094

Website: www.hbni.ac.in

HOMI BHABHA NATIONAL INSTITUTE

Memorandum of Association

1. **Name of the Society/ Trust**

1.1 Name of the Society/ Trust is Homi Bhabha National Institute and the Society shall have the following members.

- i) Secretary, Department of Atomic Energy (Ex-officio);
- ii) Vice Chancellor (Ex-officio);
- iii) Director, BARC (Ex-officio);
- iv) One of the following, to be nominated by the Secretary, DAE,
 - a) Director, IGCAR,
 - b) Director, RRCAT,
 - c) Director, VECC;
- v) Directors of two of the constituent grant-in-aid institutions under the administrative control of the Department of Atomic Energy to be nominated by the Secretary, DAE;
- vi) Dean of the Institute (Ex-officio).

Whenever a change in the composition of the Membership of the Society is necessary, the same will take place immediately on acceptance of resignation of a member or acceptance of joining report of a member by the Council of Management.

1.2 The Trust shall have the following as trustees,

- i) Secretary, Department of Atomic Energy, Mumbai – Ex-officio,
- ii) Vice Chancellor, Homi Bhabha National Institute, Mumbai
– Ex-officio, and
- iii) Director, Bhabha Atomic Research Centre, Mumbai
– Ex-officio.

Whenever a change in the composition of the Board of Trustees is necessary, an outgoing trustee will continue to be a trustee until, and a trustee-designate will become a trustee when, a change report is filed as per legal provisions.

1.3 The Vice Chancellor shall be the reporting trustee.

2. Name of the Institution along with its Constituent Institutions and Off-campus Centre

The name of the institution is Homi Bhabha National Institute, hereinafter referred to as “the Institute”. It has the following as the Constituent Institutions (CIs)

- i) Bhabha Atomic Research Centre (BARC), Mumbai;
- ii) Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam;
- iii) Raja Ramanna Centre for Advanced Technology (RRCAT), Indore;
- iv) Variable Energy Cyclotron Centre (VECC), Kolkata;
- v) Saha Institute of Nuclear Physics (SINP), Kolkata;
- vi) Institute of Plasma Research (IPR), Gandhinagar;
- vii) Institute of Physics (IoP), Bhubaneswar;
- viii) Harish-Chandra Research Institute (HRI), Allahabad;
- ix) Tata Memorial Centre (TMC), Mumbai;
- x) Institute of Mathematical Science (IMSc), Chennai.

It has one Off-campus Centre (OCC) at Bhubaneswar in the name of

- xi) National Institute of Science Education and Research (NISER).

3. Office

The registered office of the Society/ Trust/ Institute is situated at

Training School Complex,
Anushakti Nagar, Mumbai-400 094, INDIA

4. Objectives

Preamble

The Department of Atomic Energy (DAE), since its inception, has been pursuing basic research as well as technology development with equal rigour. Over the years, a robust institutional framework has been put in place. Today, apart from industrial units, DAE runs several major research centers and grant-in-aid institutions.

While in the research centres the focus is more sharply on technology and product development, the grant-in-aid institutions concentrate relatively more on basic research. In

the process, the research centres and the grant-in-aid institutions have together provided high calibre technologists as well as scientists to the Department but for which India's spectacular strides in the field of nuclear sciences and their applications would not have been possible. A key element of the success achieved in the manpower development is the visionary initiative of Dr. Homi Bhabha who set up the prestigious BARC *training school* in the year 1956. In addition to the training school at Trombay, training schools have been set up at other places. The BARC training schools have been running a remarkably successful Orientation Course for Engineering Graduates and Science post-graduates. The grant-in-aid institutions, apart from carrying out research, have been running pre-doctoral and doctoral programmes, which have helped in producing high quality scientific research personnel. It is in this respect of an in-house human resource development programme that the DAE has been unique.

The DAE has not only trained manpower for running its own programmes, it has also made significant contributions to the national scene. It has strengthened the research programmes at universities by providing grants for well defined projects. All grants are channelized through the Board of Research in Nuclear Sciences (BRNS), which has the distinction of being the first agency in the country for funding extra-mural research. In the recent years, funding through BRNS has been significantly stepped up and the Department is planning to further expand its activities.

Yet another visionary and uniquely DAE centered initiative is the institutional arrangement whereby advanced and major research facilities such as research reactors and accelerators of the Department are made available to the academic institutions. This is the strongest link, which the University Grants Commission and the DAE have established and nurtured for over a decade. There is no parallel for such an arrangement in the country. This successful arrangement hitherto called the Inter-University Consortium for DAE facilities (IUC-DAEF), was refashioned and expanded under a new MoU signed on December 10, 2003 and has been renamed as 'UGC-DAE Consortium for Scientific Research'.

Research Centres and grant-in-aid institutions of Department of Atomic Energy have also established and nurtured direct linkages with several universities.

Students from universities come to the research centers of the Department for training and for their thesis work in significant numbers. BARC also conducts year-long training courses for equipping science post-graduates to work as medical physicists and radiological safety officers, doctors to practice nuclear medicine and science graduates to work as

technologists in nuclear medicine centres.

Along with massive in-house basic research and technology development programmes as well as support to such programmes in academic institutions and other national laboratories, the Department has thus been exceptional in having variously contributed to human resource development. Self-reliance of our atomic energy programme and world-class excellence realized in commercial performance of our indigenously built nuclear plants testify to the soundness of the approach. However, the demands for self-reliance on the DAE have been rendered even more arduous to fulfill because the Department is the target for technology control regimes imposed by some of the technologically advanced nations. In this scenario, the country and, in particular, the DAE have to necessarily take innovative steps to consolidate the gains achieved so far and take fresh initiatives for enhancing the capabilities to meet the imminent and future challenges.

It has, therefore, become imperative that DAE conceives of novel ways through which in-depth capabilities in nuclear science and nuclear engineering are unabatedly nurtured within our institutions. It was in this context that the idea of establishing the Homi Bhabha National Institute (HBNI) with a deemed to be university status was proposed and HBNI was accredited as a deemed to be university by the Government in June 2005. It has ten Constituent Institutions and one Off-campus Centre as listed in clause 2. However, even after setting up of HBNI, research centres and grant-in-aid institutions of DAE have continued and shall continue to autonomously collaborate with the university system in India as at present.

The concept underlying the HBNI is to promote advanced degrees, viz., Masters and Ph.D. degrees, largely with the help of the research centres and grant-in-aid institutions of the DAE. The HBNI offers a uniform scheme for such activities in education and research and has resulted in strengthening linkages between the grant-in-aid institutions and the research centres for the benefit of advancing the pace of research in nuclear sciences on the one hand and, on the other, accelerate the process of translating R&D into technology products and their applications. Internationally, initiatives are being taken by enlightened organizations and academic institutes to promote interdisciplinary research in challenging areas of technological significance, with varied successes. HBNI, in view of the available excellence in the Constituent Institutions/Off-campus Centre and of the inherent interdisciplinary nature of nuclear science and technology, offers a unique opportunity to succeed.

It is well recognized that there is no greater motivation to a bright young student than the prospect of a higher degree, especially when it is achieved through work in an advanced subject of relevance to technology. The DAE offers an excellent environment of challenging projects and world class facilities. Furthermore, the attractiveness of the advanced degree is accentuated by the good prospect of an assured employment and career in one of the finest scientific agencies in the country.

HBNI as a deemed to be university is committed to provide a platform for accelerated pace of research and development. While the advanced degree for those already employed or a promise of such employment while obtaining an advanced degree, provide the attraction to those who would enroll, the gains for the Department are envisaged in terms of strong links between the research centres and the grant-in-aid institutions through the medium of the new generation of researchers and research problems. Moreover, it is expected that the volume, quality and relevance of research and development will all simultaneously see an upward and more rapid growth. It is only through accelerated research that India can hope to achieve a leadership position in some of the emerging areas of science and technology.

Objectives

- i) The Institute is dedicated to encourage pursuit of excellence in sciences (including engineering sciences) and mathematics in a manner that has major significance for the progress of indigenous nuclear technological capability.
- ii) The Institute provides an academic framework for integrating basic research being done at the grant-in-aid institutions and the research centres of DAE with technology development at the research centres. The institutions of DAE participating in the programmes of HBNI will be its Constituent Institutions and Off-campus Centre.
- iii) The Institute encourages inter-disciplinary research carried out within an institution or inter-institutionally, which has been the hallmark of the research & development programmes of the Constituent Institutions and Off-campus Centre.
- iv) The Institute nurtures an environment for attracting high quality manpower in the sciences including engineering sciences for taking up a career in nuclear science and technology and related areas in the Department of Atomic Energy or elsewhere. The institute also provides a framework for enabling the employees of the DAE for sharpening and updating their knowledge base while in service.

5. Definitions

“**Academic Council**” means the principal academic body of the Institute and having, subject to the provisions of the Rules, the control over and responsible for all aspects related to maintenance of the academic standards.

“**Authorities of the Institute**” shall include Council of Management, Academic Council, Boards of Studies, Finance Committee and others as defined in the Rules.

“**Campus**” means campus or campuses of any of the constituent Institutions and Off-campus Centre of the Institute, wherein its facilities, faculty, staff and students are located; Off-campus centre means a centre at a location other than the location of any of Constituent Institutions; Off-shore campus means a campus outside India.

“**Constituent Institution**” means an Institution operating under the control of the Institute in academic matters and listed in clause 2 earlier.

“**Off-campus Centre**” means an Institution operating under the control of the Institute in academic matters and listed in clause 2 earlier.

“**Institute**” means Homi Bhabha National Institute.

“**Officers of the Institute**” shall include Chancellor, Vice Chancellor, Dean, Registrar, and Finance Officer, and such other officers as defined in the Rules.

“**Statutory Body**” means a body constituted under any law for the time being in force for determining or maintaining standards of quality in the relevant areas of higher education such as Medical Council of India, Nursing Council of India, All India Council of Technical Education etc.

“**Government**” means the Central Government, unless the context so specifies.

6. Powers and Functions of the Institute

To carry out the objectives mentioned in clause 4, the Institute shall have the following powers and functions.

- i) To establish and recognize courses of study and research at the research centres and grant-in-aid institutions under the administrative control of the Department of Atomic Energy and to provide instructions as the Institute deems appropriate.
- ii) To confer degrees and to grant diplomas and/or certificates on approval of the Council of Management with the advice of an academic council, duly constituted in accordance with the Rules of the Institute, to persons who have satisfactorily completed the approved courses of study and/or research as may be prescribed, and have passed the prescribed examinations.
- iii) To institute and award fellowships, visitorships, professorships, prizes and medals.
- iv) To carry out all management functions in accordance with the rules as approved and amended from time to time.

7. Governance System

The highest governing body of the Institute shall be a Council of Management whose composition is as follows.

- i) Secretary, Department of Atomic Energy (Ex-officio)
- Chairperson;
- ii) Vice Chancellor (Ex-officio) - Member;
- iii) Member (Finance), Atomic Energy Commission (Ex-officio)
- Member;
- iv) Director, BARC (Ex-officio)- Member;
- v) One of the following, to be nominated by the Secretary, DAE
-Member
 - a) Director, IGCAR,
 - b) Director, RRCAT,
 - c) Director, VECC;
- vi) Directors of two of the grant-in-aid institutions under the administrative control of the Department of Atomic Energy to be nominated by the Secretary, DAE
- Member;
- vii) Up to two persons from amongst scientists, mathematicians and

engineers/technologists of high repute in the fields related to the activities of the Institute and who are not in the service of the Institute or its Constituent Institutions/Off-campus Centre to be nominated by the Secretary, DAE

- Member;

viii) Chairman UGC or his/her nominee from amongst scientists, mathematicians and engineers/technologists of high repute in the fields related to the activities of the Institute - Member;

ix) A representative of the Ministry of Human Resource Development, Government of India - Member;

x) Dean of the Institute (Ex-officio) - Member

xi) Registrar (Ex-officio) - Secretary

There will be an Academic Council and other authorities of the Institute constituted in accordance with the Rules of the Institute.

8. Admissions and Fee Structure

i) Admission of students and scholars shall be made strictly on merit on an all-India basis, involving tests and interviews conducted by the Institute as per Rules of the Institute which shall be in accordance with applicable Regulations of the University Grants Commission. The Academic Council may recognize tests conducted by other agencies for the purpose of admissions. Wherever an appropriate statutory body has specified a process of selection for any academic programme, the same shall be followed.

ii) Fee structure, level of fees, method of accepting fee, handling of documents like degree certificates for the purpose of admission, admission of non-resident Indians or foreign students will be in accordance with applicable guidelines of the Government, the University Grants Commission or statutory bodies.

iii) No capitation fee or donation shall be charged in any form in consideration for admission.

iv) No benefaction that involves conditions and obligations opposed to the spirit and objects of the Institute shall be accepted.

9. Maintenance of Standards

The Institute shall maintain standards, higher than the minimum, of instruction, academic and physical infrastructure and faculty as prescribed by the UGC or concerned statutory body.

10. New Departments, Off-campus Centres and Off-shore Campuses

Any new department, off-campus centre at a location other than the location of the present Constituent Institutions/Off-campus Centre, and any off-shore centre will be established as declared by the Central Government in the notification and conduct the approved programmes of study falling within the area of specification only after following the procedure prescribed in the UGC (Institutions Deemed to be Universities) Regulations, 2016.

11. Inclusion of Other Institutions

Any other grant-in-aid institution of DAE engaged in research or a new R&D centre of DAE recommended by the Academic Council and approved by the Council of Management will be a Constituent Institution/Off-campus Centre. The Council can also withdraw the status of being a Constituent Institution/Off-campus Centre from any Constituent Institution/Off-campus Centre. Any such change will be made by following the procedure prescribed in the UGC (Institutions Deemed to be Universities) Regulations, 2016.

12. Joint Programmes

- i) Joint academic programmes with other universities/ deemed to be universities in India or abroad, if any, will be conducted with the prior approval of the University Grants Commission. The joint programmes shall conform to the Acts and Rules of the University Grants Commission that shall apply to such programmes from time to time, it being understood that no permission from the University Grants Commission is needed for collaboration with Industry or for research purposes.
- ii) There shall be sufficient safeguards so as to protect the interests of students enrolled in such programmes.
- iii) The joint programmes shall be subject to mandatory assessment and accreditation.

13. Institute Open to All

- i) The Institute shall be open to all persons irrespective of race, religion, creed, caste, class, gender and geographical area. No test or condition shall be imposed as to religious belief, origin, or occupation in admitting or appointing members, students, teachers, workers or in any other connection whatsoever.
- ii) All policies and procedures, as applicable to the university level institutions of public funded institutions shall apply to the Institute.

14. A unitary Institution and nomenclature

- i) The Institute is a unitary institution and offers academic programmes through the Constituent Institutions/Off-campus Centre listed in clause 2. It shall not affiliate any other institution.
- ii) The Institute will use the words “deemed to be university” within parenthesis suffixed to its name, i.e. Homi Bhabha National Institute.
- iii) As the Institute is established and controlled by the Central Government, It has used the words “National Institute” in its name.

15. Reservation Policy

The Institute shall implement the reservation policy in admissions and recruitments as applicable to it based on any Act of Parliament for the time being in force or policies, rules and orders notified by the Central Government.

16. Distance Education

The Institute shall conduct any distance education courses only in accordance with the policies and guidelines of the University Grants Commission.

17. Meetings of University Bodies

The Institute shall conduct meetings of the Council of Management, the Academic Council and other bodies at regular intervals as per the Rules and display minutes on the web site of the Institute.

18. Consequences of Violation of Regulations

The Institute shall be subject to inspection by the Central Government/ the University Grants Commission and consequences in accordance with the clause 22 of the UGC (Institutions deemed to be Universities) Regulations, 2016.

19. Rules

The Council of Management, in addition to other powers vested in it, has the powers to frame the Rules that are not inconsistent with (i) the Memorandum of Association, and (ii) regulations and guidelines of University Grants Commission, and (iii) have the approval of the Central Government.